

# BICYCLE TWIST-GRIP SHIFT CONTROL DEVICE WITH PARALLEL GEARING

## Abstract

A bicycle twist-grip shift control device comprises a base member for attachment to the bicycle; a twist-grip operating member rotatably supported relative to the base member for rotating in first and second directions around an operating member axis; a transmission control member rotatably mounted relative to the base member for controlling the pulling and releasing of a transmission control element in response to rotation of the operating member, and an intermediate member that moves in a direction of an intermediate member axis in response to rotation of the operating member. The transmission control member rotates around a transmission control member axis that is substantially parallel to the operating member axis, and the intermediate member includes an intermediate member detent for maintaining a rotational position of the operating member and the transmission control member. Additional inventive features will become apparent from the description below, and such features alone or in combination with the above features may form the basis of further

**inventions as recited in the claims and their equivalents.**